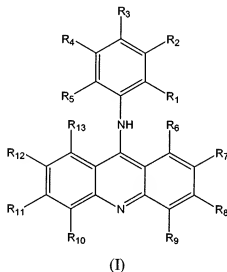


Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A compound having formula (I):



wherein,

each of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is, independently, hydrogen, halo, nitro, C₁-C₆ alkyl, ~~C₁-C₆ alkoxy~~, C₁-C₆ hydroxyalkyl, CONHR^a, NR^bR^c, CONH(CH₂)_mNR^bR^c, L-N(CH₂CH₂Cl)₂, or a DNA minor groove binder;

L is (CH₂)_p or O(CH₂)_q;

m is 1, 2, 3, or 4;

p is 0, 1, 2, 3, or 4;

q is 1, 2, 3, 4, 5, 6, 7, or 8;

in which, R^a is C₁-C₆ alkyl; each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or COOR^d; R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl, or C₇-C₁₂ aralkyl; and

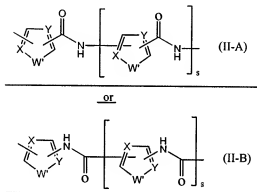
the DNA minor groove binder is -CONH(CH₂)_r-J-W-(CH₂)_sR^e, wherein:

r is 1, 2, 3, 4, or 5;

t is 1, 2, 3, 4, 5, or 6

J is -CONH- or -NHCO-;

W is a heteroaryl group having the following formula (II-A) or (II-B);



s is 0, 1, 2, 3, or 4;

W' is NR^g, O, or S;

each of X and Y is, independently, N or CR^f;

each of R^f and R^g is, independently, hydrogen or C₁-C₆ alkyl;

R^e is NR^bR^c, NHCHO, or NHC(=NH)NH₂;

each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or COOR^d, in which R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl or C₇-C₁₂ aralkyl;

and provided that at least one of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is L-N(CH₂CH₂Cl)₂, or a salt thereof.

2. (Original) The compound of claim 1, wherein L is (CH₂)_p.
3. (Original) The compound of claim 2, wherein p is 0 or 1.
4. (Original) The compound of claim 1, wherein L is O(CH₂)_q.
5. (Original) The compound of claim 4, wherein q is 2 or 4.

6. (Original) The compound of claim 1, wherein one of R_1 , R_2 , R_3 , R_4 , or R_5 is $L-N(CH_2CH_2Cl)_2$.
7. (Original) The compound of claim 6, wherein R_2 or R_3 is $L-N(CH_2CH_2Cl)_2$.
8. (Original) The compound of claim 7, wherein R_2 is $L-N(CH_2CH_2Cl)_2$.
9. (Original) The compound of claim 8, wherein L is $(CH_2)_p$.
10. (Original) The compound of claim 9, wherein p is 0 or 1.
11. (Original) The compound of claim 8, wherein L is $-O(CH_2)_q-$.
12. (Original) The compound of claim 11, wherein q is 2 or 4.
13. (Currently amended) The compound of claim 8, wherein each of R_1 , R_3 , R_4 , and R_5 is, independently, hydrogen, C_1 - C_6 alkyl, ~~C_1 - C_6 alkoxy~~, or C_1 - C_6 hydroxyalkyl.
14. (Original) The compound of claim 13, wherein R_4 is C_1 - C_6 hydroxyalkyl.
15. (Original) The compound of claim 14, wherein R_4 is CH_2OH .
16. (Original) The compound of claim 13, wherein each of R_1 , R_3 , R_4 , and R_5 is hydrogen.
17. (Original) The compound of claim 7, wherein R_3 is $L-N(CH_2CH_2Cl)_2$.
18. (Original) The compound of claim 17, wherein L is $(CH_2)_p$.
19. (Original) The compound of claim 18, wherein p is 0 or 1.

20. (Original) The compound of claim 17, wherein L is $-\text{O}(\text{CH}_2)_q-$.
21. (Original) The compound of claim 20, wherein q is 2 or 4.
22. (Currently amended) The compound of claim 17, wherein each of R_1 , R_2 , R_4 , and R_5 is, independently, hydrogen, $\text{C}_1\text{-C}_6$ alkyl, ~~$\text{C}_4\text{-C}_6$ alkoxy~~, or $\text{C}_1\text{-C}_6$ hydroxyalkyl.
23. (Original) The compound of claim 21, wherein each of R_1 , R_2 , R_4 , and R_5 is hydrogen.
24. (Currently amended) The compound of claim 6, wherein each of R_6 , R_7 , R_8 , R_9 , R_{10} , R_{11} , R_{12} , and R_{13} is, independently, hydrogen, halo, nitro, $\text{C}_1\text{-C}_6$ alkyl, ~~$\text{C}_4\text{-C}_6$ alkoxy~~, CONHR^a , $\text{CONH}(\text{CH}_2)_m\text{NR}^b\text{R}^c$, $\text{L-N}(\text{CH}_2\text{CH}_2\text{Cl})_2$, or a DNA minor groove binder.
25. (Original) The compound of claim 24, wherein each of R_6 , R_7 , R_8 , R_9 , R_{10} , R_{11} , R_{12} , and R_{13} is, independently, hydrogen, $\text{C}_1\text{-C}_6$ alkyl, $\text{CONH}(\text{CH}_2)_m\text{NR}^b\text{R}^c$, $\text{L-N}(\text{CH}_2\text{CH}_2\text{Cl})_2$, or a DNA minor groove binder.
26. (Original) The compound of claim 25, wherein one of R_9 and R_{10} is $\text{CONH}(\text{CH}_2)_m\text{NR}^b\text{R}^c$, $\text{L-N}(\text{CH}_2\text{CH}_2\text{Cl})_2$, or a DNA minor groove binder, and the other is $\text{C}_1\text{-C}_6$ alkyl or hydrogen.
27. (Original) The compound of claim 26, wherein one of R_9 and R_{10} is $\text{CONH}(\text{CH}_2)_m\text{NR}^b\text{R}^c$ and the other is $\text{C}_1\text{-C}_6$ alkyl or hydrogen.
28. (Original) The compound of claim 27, wherein one of R_9 and R_{10} is $\text{CONH}(\text{CH}_2)_2\text{N}(\text{CH}_3)_2$ and the other is CH_3 or hydrogen.

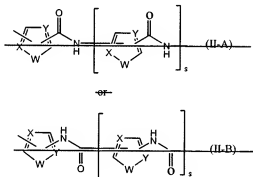
29. (Original) The compound of claim 26, wherein one of R_9 and R_{10} is $L-N(CH_2CH_2Cl)_2$ and the other is C_1 - C_6 alkyl or hydrogen.

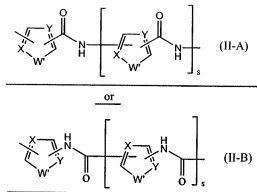
30. (Original) The compound of claim 29, wherein one of R_9 and R_{10} is $N(CH_2CH_2Cl)_2$ or $CH_2N(CH_2CH_2Cl)_2$ and the other is CH_3 or hydrogen.

31. (Original) The compound of claim 29, wherein one of R_9 and R_{10} is $O(CH_2)_2N(CH_2CH_2Cl)_2$ or $O(CH_2)_4N(CH_2CH_2Cl)_2$ and the other is CH_3 or hydrogen.

32. (Original) The compound of claim 26, wherein one of R_9 and R_{10} is a DNA minor groove binder and the other is C_1 - C_6 alkyl or hydrogen.

33. (Currently amended) The compound of claim 32, wherein one of R_9 and R_{10} is $CONH(CH_2)_r-J-W-(CH_2)_tR^e$ and the other is CH_3 or hydrogen; wherein r is 1, 2, 3, 4, or 5; t is 1, 2, 3, or 4, 5, or 6; J is $-CONH-$ or $-NHCO-$; W is:

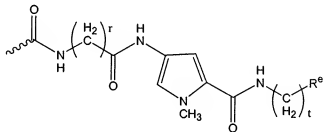




in which s is 0, 1, 2, 3, or 4; each of X and Y is, independently, N or CR^f and $[[W]] \text{ W}'$ is NR^g , O, or S; R^e is NR^bR^c , NHCHO , or $\text{NHC}(=\text{NH})\text{NH}_2$; each of R^b and R^c is, independently, hydrogen, $\text{C}_1\text{-C}_6$ alkyl, COR^d , or COOR^d ; and each of R^f and R^g is, independently, hydrogen or $\text{C}_1\text{-C}_6$ alkyl.

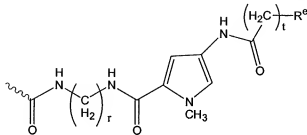
34. (Currently amended) The compound of claim 33, wherein s is 0, each of X and Y is CH, and $[[W]] \text{ W}'$ is NCH_3 .

35. (Original) The compound of claim 34, wherein one of R_9 and R_{10} is:



36. (Original) The compound of claim 35, wherein r and t are both 3, and R^e is $\text{N}(\text{CH}_3)_2$, NHCHO , or $\text{NHC}(=\text{NH})\text{NH}_2$.

37. (Original) The compound of claim 34, wherein one of R_9 and R_{10} is:



38. (Original) The compound of claim 36, wherein r and t are both 3, and R^e is $N(CH_3)_2$, $NHCHO$, or $NHC(=NH)NH_2$.

39. (Original) The compound of claim 24, wherein each of R_6 , R_7 , R_8 , R_9 , R_{10} , R_{11} , R_{12} , and R_{13} is hydrogen.

40. (Original) The compound of claim 1, wherein one of R_6 , R_7 , R_8 , R_9 , R_{10} , R_{11} , R_{12} , and R_{13} is $L-N(CH_2CH_2Cl)_2$.

41. (Original) The compound of claim 40, wherein R_9 is $L-N(CH_2CH_2Cl)_2$.

42. (Original) The compound of claim 41, wherein L is $(CH_2)_p$.

43. (Original) The compound of claim 42, wherein p is 0 or 1.

44. (Original) The compound of claim 41, wherein L is $-O(CH_2)_q-$.

45. (Original) The compound of claim 44, wherein q is 2 or 4.

46. (Currently amended) The compound of claim 41, wherein each of R_6 , R_7 , R_8 , R_{10} , R_{11} , R_{12} , and R_{13} is, independently, hydrogen, halo, nitro, or C_1 - C_6 alkyl, or C_1 - C_6 alkoxy.

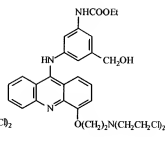
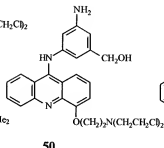
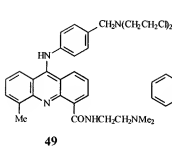
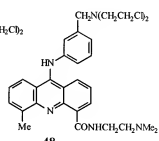
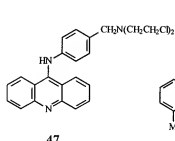
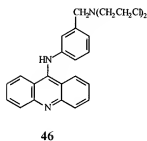
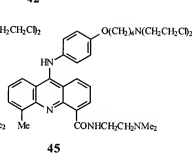
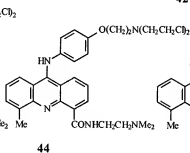
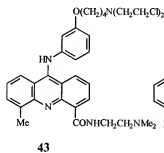
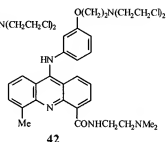
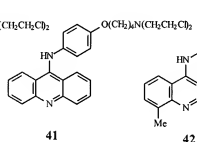
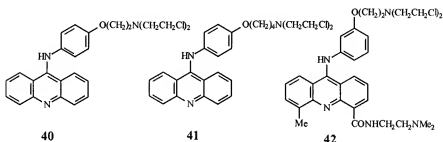
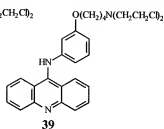
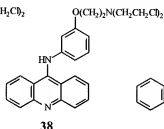
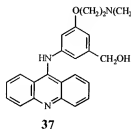
47. (Currently amended) The compound of claim 40, wherein each of R₁, R₂, R₃, R₄, or R₅ is, independently, hydrogen, C₁-C₆ alkyl, ~~C₁-C₆ alkoxy~~, C₁-C₆ hydroxyalkyl, or NR^bR^c.

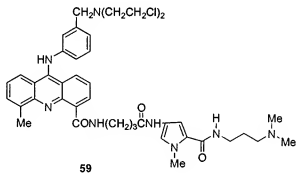
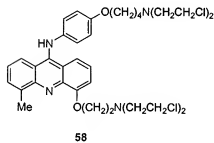
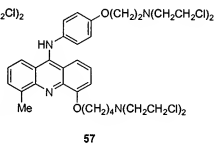
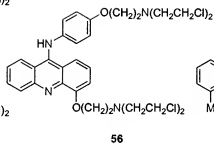
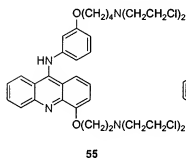
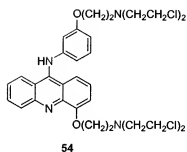
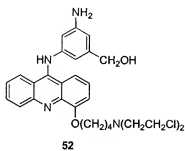
48. (Previously presented) The compound of claim 47, wherein R₂ is NR^bR^c and R₄ is C₁-C₆ hydroxyalkyl.

49. (Original) The compound of claim 48, wherein R₂ is NH₂ or NHCOOCH₂CH₃.

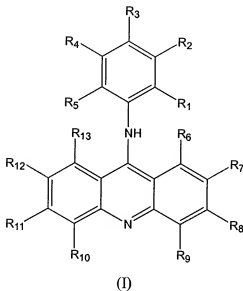
50. (Original) The compound of claim 48, wherein R₄ is CH₂OH.

51. (Previously presented) The compound of claim 1, wherein the compound





52. (Currently amended) A pharmaceutical composition comprising a compound of formula (I) and a pharmaceutically acceptable carrier:



wherein,

each of R_1 , R_2 , R_3 , R_4 , R_5 , R_6 , R_7 , R_8 , R_9 , R_{10} , R_{11} , R_{12} , and R_{13} is, independently, hydrogen, halo, nitro, C_1 - C_6 alkyl, ~~C_1 - C_6 alkoxy~~, C_1 - C_6 hydroxyalkyl, $CONHR^a$, NR^bR^c , $CONH(CH_2)_mNR^bR^c$, $L-N(CH_2CH_2Cl)_2$, or a DNA minor groove binder;

L is $(CH_2)_p$ or $O(CH_2)_q$;

m is 1, 2, 3, or 4;

p is 0, 1, 2, 3, or 4;

q is 1, 2, 3, 4, 5, 6, 7, or 8;

in which, R^a is C_1 - C_6 alkyl; each of R^b and R^c is, independently, hydrogen, C_1 - C_6 alkyl, COR^d , or $COOR^d$; R^d is C_1 - C_6 alkyl, C_6 - C_{10} aryl, or C_7 - C_{12} aralkyl; and

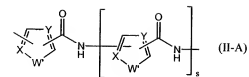
the DNA minor groove binder is $-CONH(CH_2)_r-J-W-(CH_2)_tR^e$, wherein:

r is 1, 2, 3, 4, or 5;

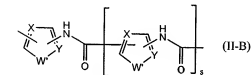
t is 1, 2, 3, 4, 5, or 6

J is $-CONH-$ or $-NHCO-$;

W is a heteroaryl group having the following formula (II-A) or (II-B);



or



s is 0, 1, 2, 3, or 4;

W' is NR^g, O, or S;

each of X and Y is, independently, N or CR^f;

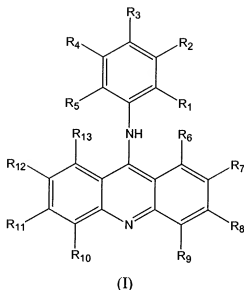
each of R^f and R^g is, independently, hydrogen or C₁-C₆ alkyl;

R^e is NR^bR^c, NHCHO, or NHC(=NH)NH₂; and

each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or COOR^d, in which R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl or C₇-C₁₂ aralkyl; and

provided that at least one of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is L-N(CH₂CH₂Cl)₂; or a pharmaceutically acceptable salt thereof.

53. (Currently amended) A method of treating cancer, the method comprising administering to a subject in need thereof an effective amount of a compound of formula (I):



wherein,

each of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is, independently, hydrogen, halo, nitro, C₁-C₆ alkyl, ~~C₁-C₆ alkoxy~~, C₁-C₆ hydroxyalkyl, CONHR^a, NR^bR^c, CONH(CH₂)_mNR^bR^c, L-N(CH₂CH₂Cl)₂, or a DNA minor groove binder;

L is (CH₂)_p or O(CH₂)_q;

m is 1, 2, 3, or 4;

p is 0, 1, 2, 3, or 4;

q is 1, 2, 3, 4, 5, 6, 7, or 8;

in which, R^a is C₁-C₆ alkyl; each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or COOR^d; R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl, or C₇-C₁₂ aralkyl; and

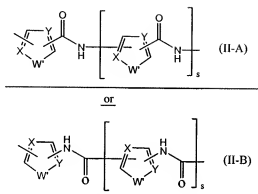
the DNA minor groove binder is -CONH(CH₂)_r-J-W-(CH₂)_tR^e, wherein:

r is 1, 2, 3, 4, or 5;

t is 1, 2, 3, 4, 5, or 6

J is -CONH- or -NHCO-;

W is a heteroaryl group having the following formula (II-A) or (II-B);



s is 0, 1, 2, 3, or 4;

W' is NR^g, O, or S;

each of X and Y is, independently, N or CR^f;

each of R^f and R^g is, independently, hydrogen or C₁-C₆ alkyl;

R^e is NR^bR^c, NHCHO, or NHC(=NH)NH₂;

each of R^b and R^c is, independently, hydrogen, C₁-C₆ alkyl, COR^d, or COOR^d, in which R^d is C₁-C₆ alkyl, C₆-C₁₀ aryl or C₇-C₁₂ aralkyl;

and provided that at least one of R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ is L-N(CH₂CH₂Cl)₂; or a pharmaceutically acceptable salt thereof.